REMARKS

Claims 1-38 are pending in this application. By the amendment, the specification and claims 1, 3-4, 7, 9-10, 15-16, 18-19, 21-22, 25-27, 29-30, 33-35 and 37-38 are amended. Various amendments are made to the claims for clarity, and are unrelated to issues of patentability.

Applicants gratefully acknowledge the Office Action's indication that claims 5, 16,19, 23, 29 and 35-38 are allowable over the prior art of record.

The Office Action rejects claims 1-4, 20, 22 and 24 under 35 U.S.C. §102(e) over U.S. Patent 6,768,775 to Wen et al (hereafter Wen). The Office Action also rejects claims 6-15, 21, 25-28 and 30-34 under 35 U.S.C. §103(a) over Wen and further in view of U.S. Patent 6,757,851 to Park et al. (hereafter Park). The rejections are respectfully traversed.

Independent claim 1 recites an encoder dividing a partition partitioned by a data partitioning technique into certain blocks, channel-coding the divided block data and transmitting a bit stream, the encoder inserting channel coding information into the partitioned data. Independent claim 1 further recites a decoder channel-decoding the bit stream received from the encoder so as to restore a video data.

Wen does not teach or suggest all these features of independent claim 1. More particularly, Wen does not teach or suggest an encoder that inserts channel coding information into partitioned data. In addressing similar types of features with respect to dependent claim 3, the Office Action references Wen's Figure 3 and columns 1-45. However, upon review, this section of Wen does not relate to inserting channel coding information into partitioned data, as

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recited in independent claim 1. Rather, Wen merely discloses performing partitioning, performing variable length coding and/or reverse variable length coding prior to inserting markers. See, for example, Figure 2. Wen has no teaching or suggestion for inserting channel coding information into partitioned data as recited in independent claim 1. Thus, independent claim 1 defines patentable subject matter.

Each of independent claims 20 and 24 define patentable subject matter for at least similar reasons. That is, independent claim 20 recites mixing a partition table storing size information of the partition and the channel coded partitions so as to form a bit stream. Furthermore, independent claim 24 recites partitioning a bit stream into a plurality of partitions with reference to a partition table included in the received bit stream. Wen has no teaching or suggestion for a partition table storing size information and/or a partition table included in the bit stream. As such, Wen does not teach or suggest all of the features of independent claims 20 and 24.

Independent claim 26 recites inserting a marker into a source-coded video data, partitioning it into a plurality of partitions, and dividing each partition into certain block according to a predetermined block size. Independent claims 26 further recites checking whether a marker emulation has occurred in the mixed partitions and performing a process to avoid a marker emulation.

The Office Action does not appear to make any suggestions regarding the claimed checking whether a marker evolution as occurred in the mixed partitions, as recited in independent claim 26. The Office Action merely references markers 22 and 24 within Park's

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Figure 2. However, this is not checking whether a marker evolution has occurred in the mixed

partitions as recited in independent claim 26. Thus, independent claim 26 defines patentable

subject matter.

Independent claim 33 defines patentable subject matter for at least similar reasons. That

is, independent claim 33 recites searching a marker while removing bits inserted to avoid a

marker emulation from a received bit stream and computing a total bit amount, an information

bit amount and a channel coding bit amount of each partitioned partition and channel-decoding

the partition data according to an index of a channel coding rate table (CCRT). Wen and Park

do not teach or suggest at least these features of independent claim 33. That is, the references,

either alone or in combination, do not teach or suggest searching a marker while removing bits

inserted to avoid a marker emulation from a received bit stream in combination with computing

a total bit amount, an information bit amount and a channel coding bit amount of each

partitioned partition and channel-decoding the partition data according to an index of the

CCRT. For example, the references do not relate to an index of a CCRT. Thus, there is no

suggestion for these features. Accordingly, independent claim 33 defines patentable subject

matter.

For at least the reasons set forth above, each of independent claims 1, 20, 24, 26, and 33

define patentable subject matter. Each of the dependent claims depends from at least one of the

independent claims and therefore defines patentable subject matter at least for this reason. In

addition, the dependent claims also recite features that further and independently distinguish

over the applied references. For example, dependent claim 3 recites the inserted channel coding information relates to <u>an index of a channel coding rate table (CCRT)</u>. Furthermore, dependent claim 6 recites a partition mixer mixing <u>a partition table</u> storing size information of the plurality of partitions and the plurality of partitions, so as to form a bit stream. Still further, dependent claim 7 recites <u>a partition table</u> storing the size information of each partition. Additionally, dependent claim 8 recites a partition demixer partitioning a bit stream into a plurality of partitions with reference to <u>a partition table</u> contained in the received bit stream. Dependent claim 8 further recites a channel-decoder channel-decoding each partition data according to <u>an index of the CCRT</u>. Additionally, dependent claim 28 recites computing channel coding information with reference to an index of <u>a channel coding rate table (CCRT)</u>. For at least similar reasons as set forth above, the applied references do not teach or suggest these features relating to an index of a channel coding rate table (CCRT) and/or a partition table. Accordingly, these dependent claims define patentable subject matter for at least this reason.
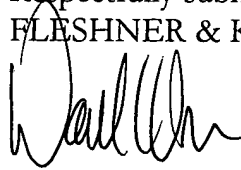
CONCLUSION

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1-38 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **David C. Oren**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this,

concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and

please credit any excess fees to such deposit account.

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